



Microresistivity Log

Pioneer Energy Services

API No.

15-101-22,466-00-00

Company Larson Engineering, Inc.

Well Phyllis B #1-4

Field Wildcat

County Lane State

Kansas

Location

SW SE SE NE
2550' FNL & 340' FEL

Sec: 4

Twp: 19S

Rge: 29W

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation
K.B. 2841
D.F. 2834
G.L. 2834

Date

10/16/2013

Run Number

Two

Depth Driller

4670

Depth Logger

4670

Bottom Logged Interval

4669

Top Log Interval

3600

Casing Driller

8.625 @ 276

Casing Logger

274

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

3200

Density / Viscosity

9.3 56

pH / Fluid Loss

10.5 8.0

Source of Sample

Flowline

Rm @ Meas. Temp

1.10 @ 64

Rmf @ Meas. Temp

0.83 @ 64

Rmc @ Meas. Temp

1.49 @ 64

Source of Rmf / Rmc

Charts

Rm @ BHT

0.57 @ 123

Operating Rig Time

4 Hours

Max Rec. Temp. F

123

Equipment Number

17

Location

Hays

Recorded By

D. Kerr

Witnessed By

Vern Schrag

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

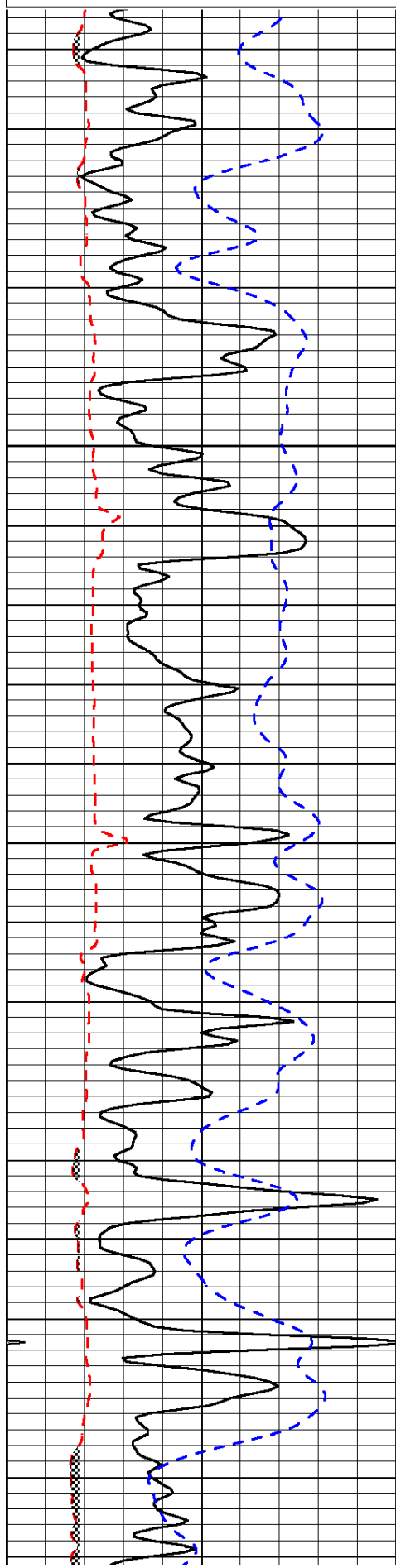
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Dighton KS, 3 West to Ike RD,
3 1/2 South, West Into

Database File: c:\warrior\data\larson_phyllis b #1-4\larson_phyllis_b_1_4hd.db
Dataset Pathname: DIL\larstk
Presentation Format: micro
Dataset Creation: Wed Oct 16 19:18:39 2013
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0



3600

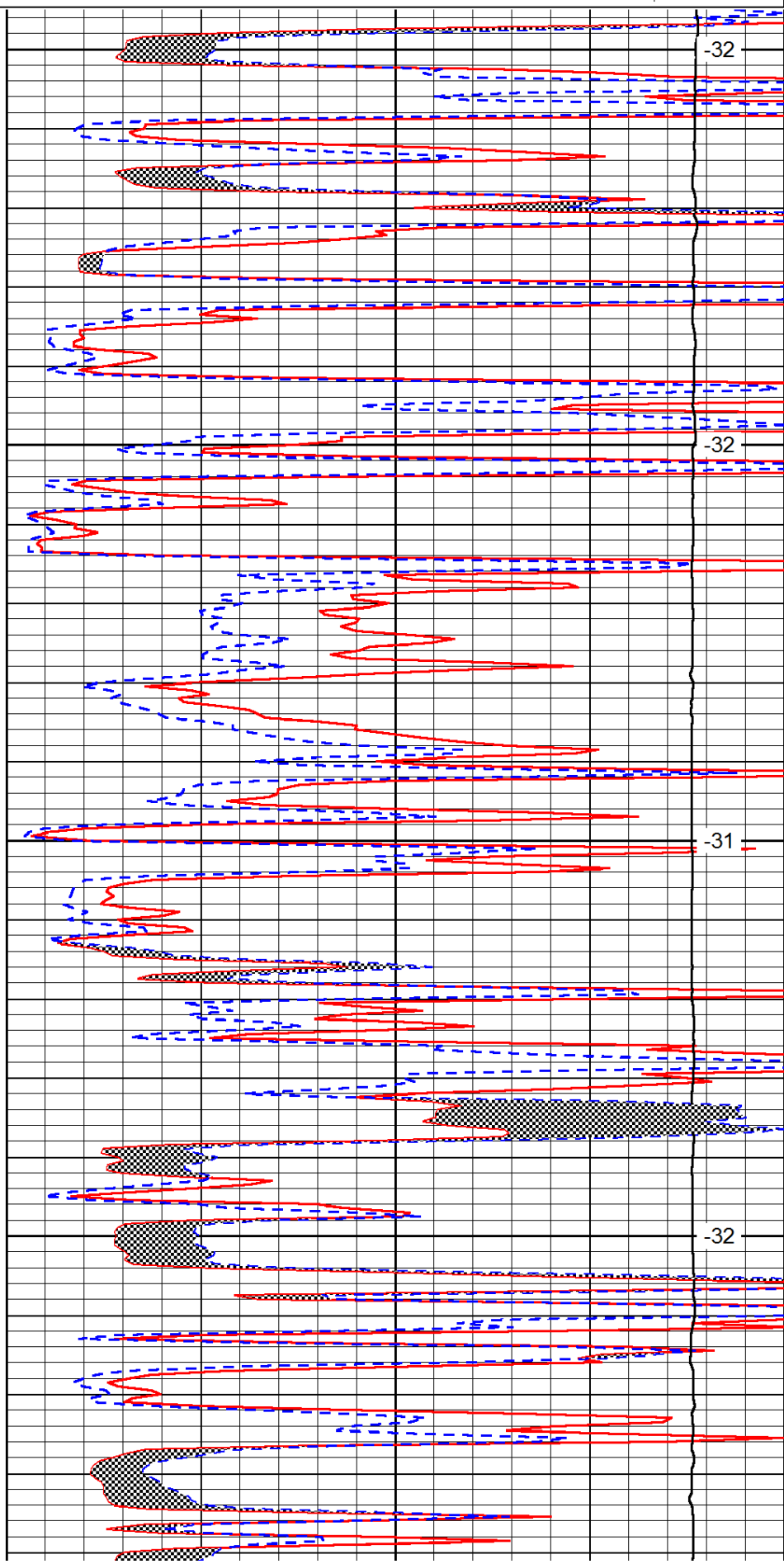
3650

3700

3750

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0

LSPD

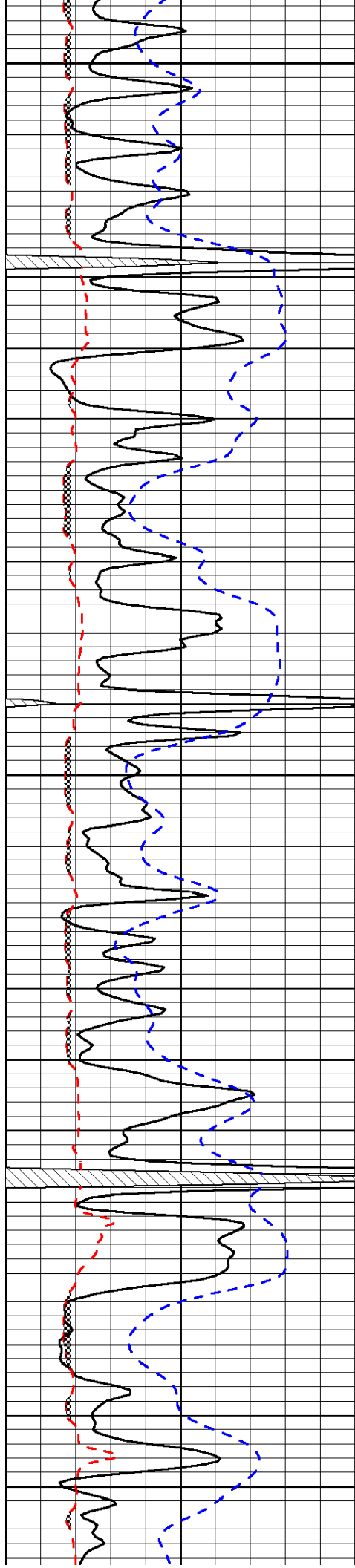


-32

-32

-31

-32



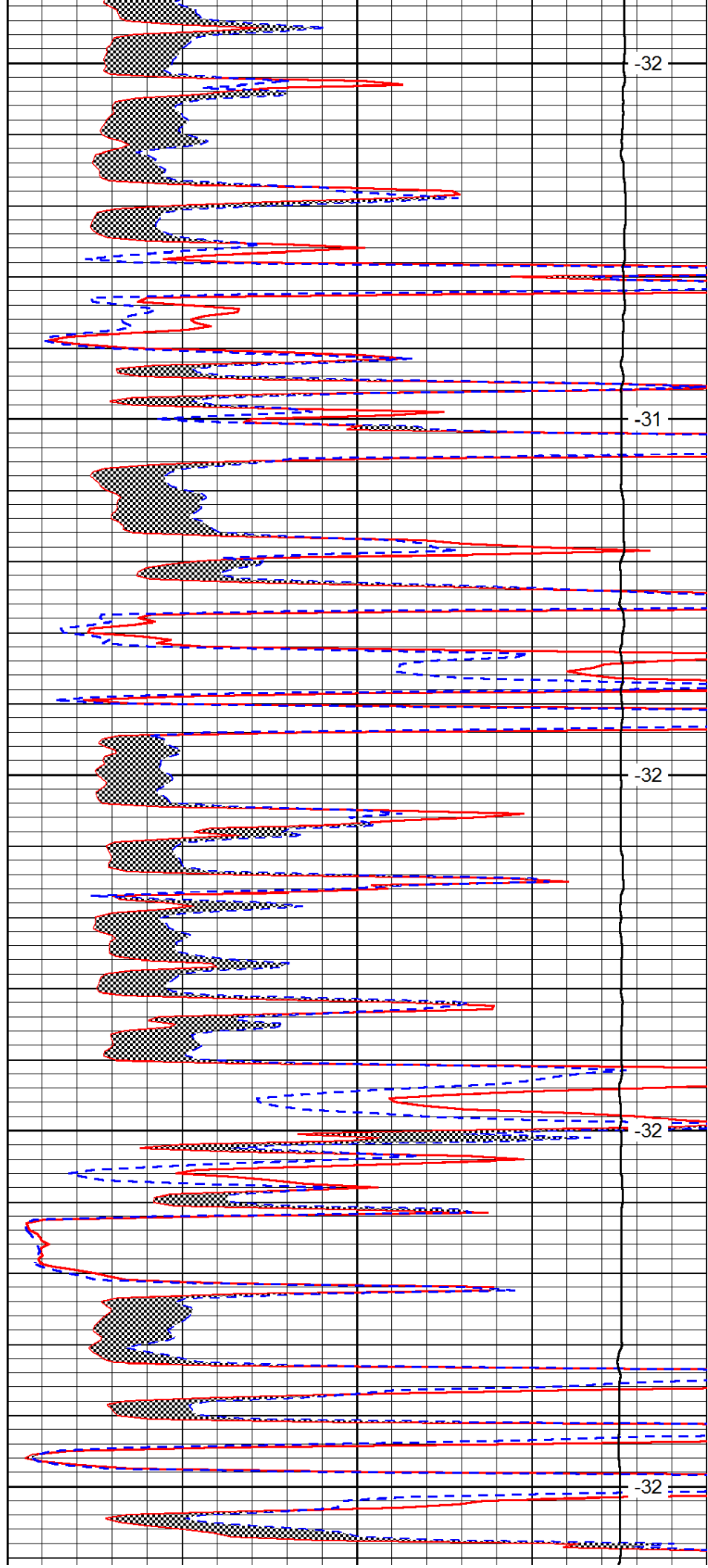
3800

3850

3900

3950

4000



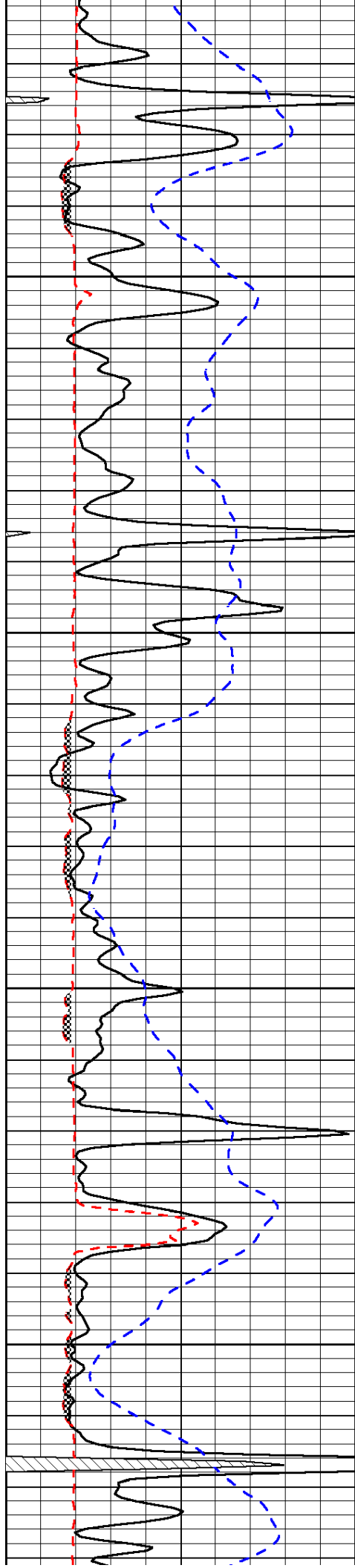
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-31

-32

-32

-32

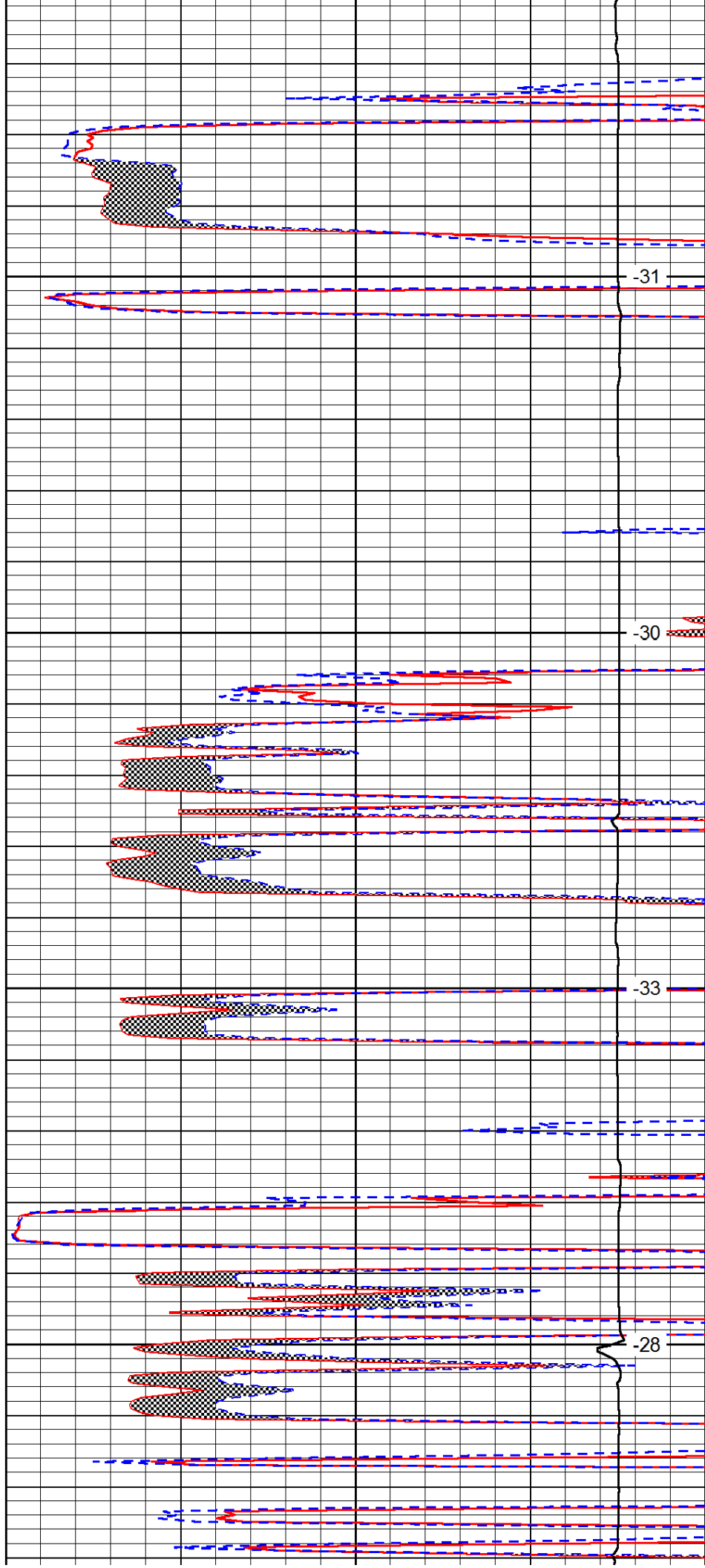


4050

4100

4150

4200

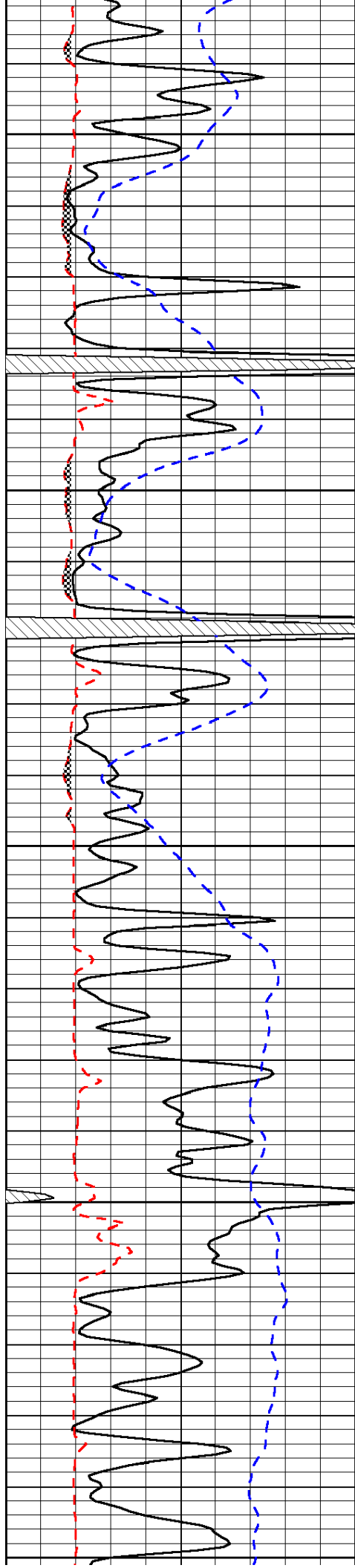


-31

-30

-33

-28



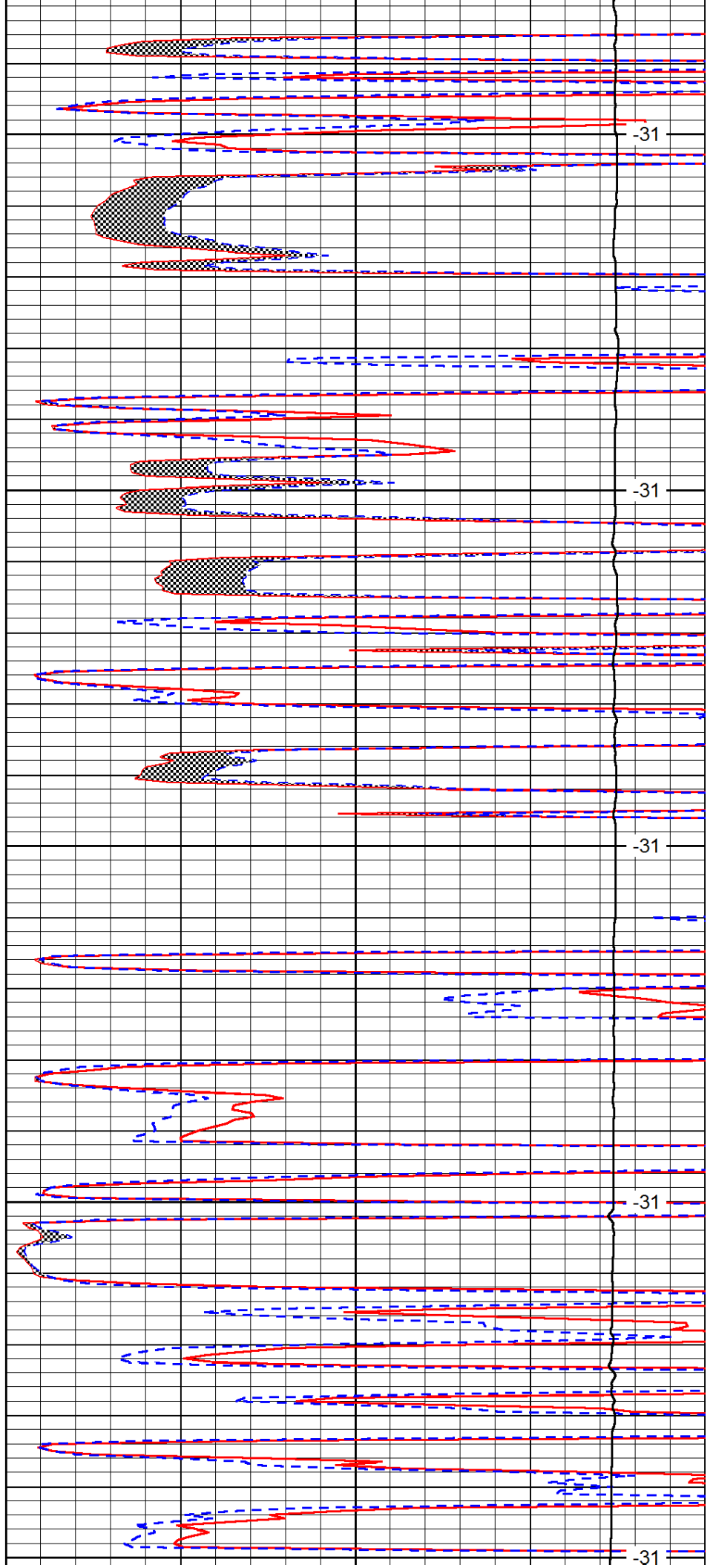
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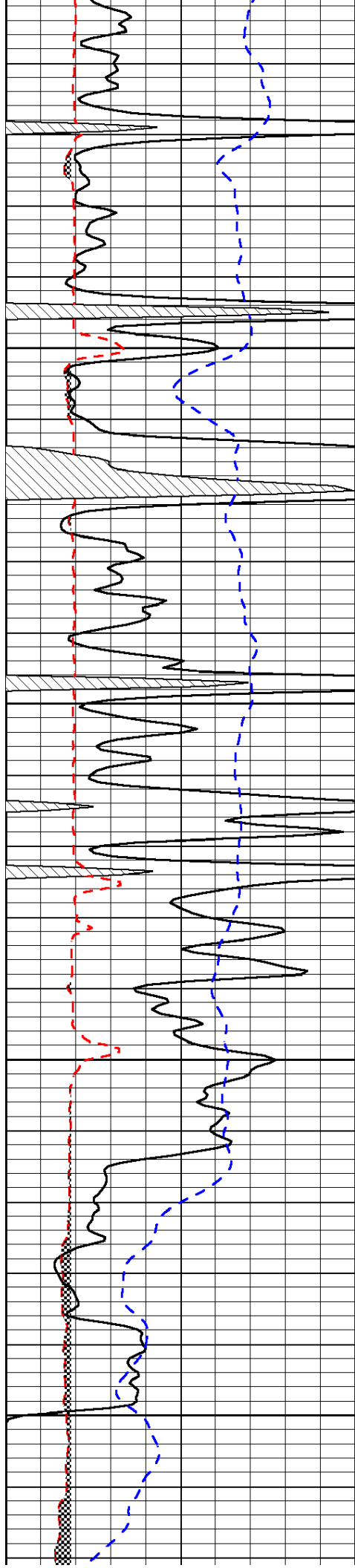
4300

4350

4400

4450



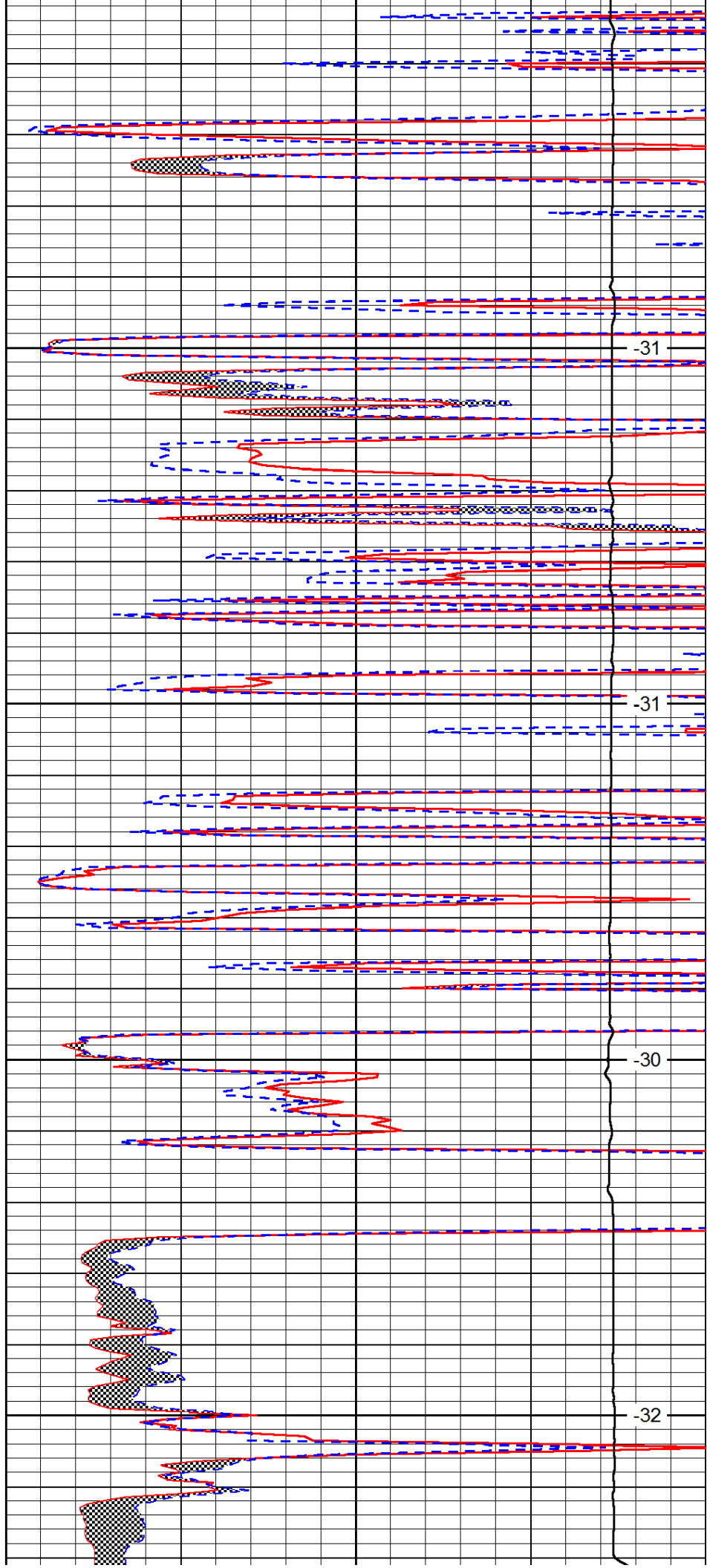


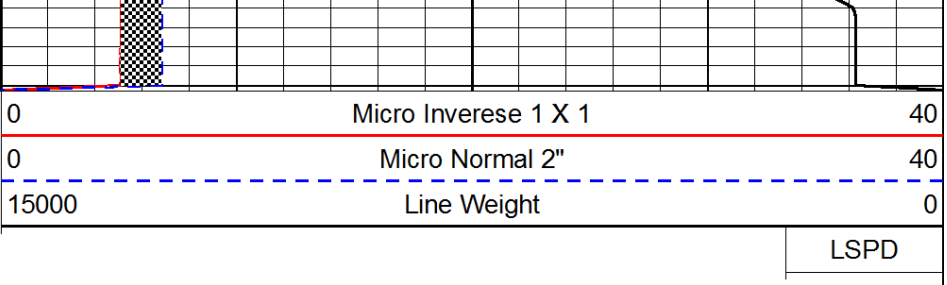
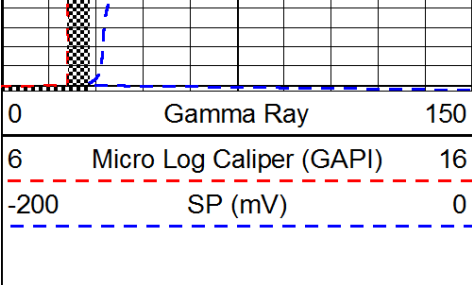
4500

4550

4600

4650





LSPD